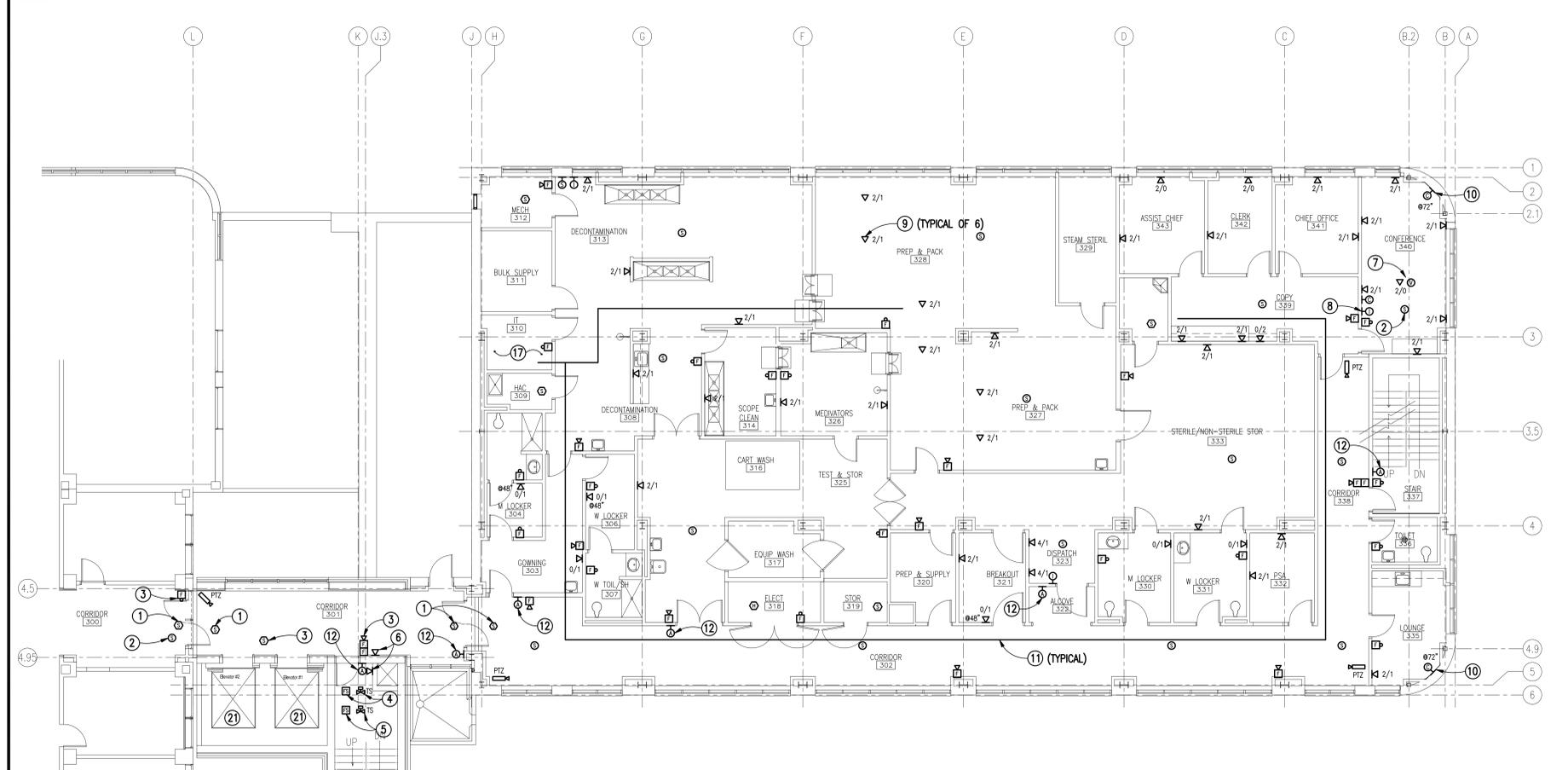
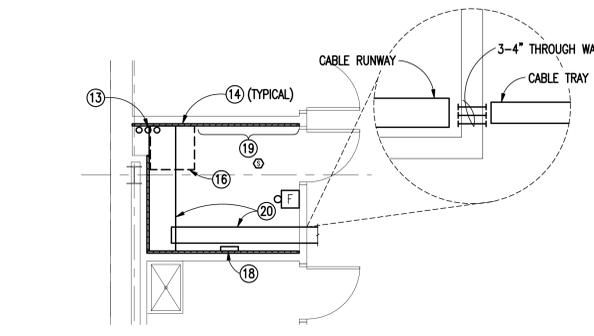


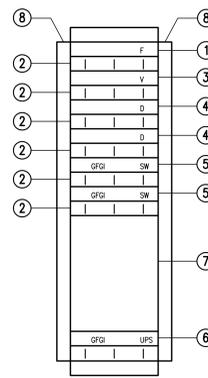
three inches = one foot
 one one-half inches = one foot
 one inch = one foot
 three-quarters inch = one foot
 one-half inch = one foot
 three-eighths inch = one foot
 one-quarter inch = one foot
 one-eighth inch = one foot



**NEW WORK
 THIRD FLOOR ELECTRICAL PLAN - SPECIAL SYSTEMS**
 SCALE: 1/8" = 1'-0"



NEW WORK SPECIAL SYSTEMS PLAN ROOM 310
 SCALE: 1/4" = 1'-0"



DATA RACK ROOM 310 DETAIL
 SCALE: NONE

- ALL COMPONENTS AND TERMINATIONS BY THE CONTRACTOR EXCEPT OWNER EQUIPMENT. OWNER EQUIPMENT NOT IN CONTRACT.
- CROSS-CONNECTS TO OWNER EQUIPMENT BY OWNER.
- PROVIDE 48 PORT PATCH PANELS AS REQUIRED FOR DROPS SHOWN PLUS 50% FOR FUTURE.
- PROVIDE FLOOR MOUNTED, 72" HIGH SWING CABINET DATA RACK COMPLETE WITH WIRE MANAGEMENT AND POWER PLUG STRIPS WITH 12' CORD MINIMUM.

- GENERAL NOTES:**
 (SPECIAL SYSTEMS SHEET ONLY)
- EXISTING FIRE ALARM SYSTEM IS A JOHNSON CONTROLS ADDRESSABLE FIRE ALARM SYSTEM. CONTRACTOR SHALL PROVIDE AND HAVE INSTALLED ALL FIRE ALARM COMPONENTS FOR A COMPLETE AND INTEGRATED FIRE ALARM SYSTEM. MODIFICATIONS SHALL INCLUDE NEW ADDRESSABLE FIRE ALARM DEVICES, BOXES, CONDUIT, WIRE, ETC., AND ALL HARDWARE AND SOFTWARE CHANGES TO THE EXISTING FIRE ALARM SYSTEM. EXISTING FIRE ALARM CONTROL PANEL IS LOCATED IN ROOM 1-W-58. MAKE ALL CONNECTIONS FOR A COMPLETE AND OPERABLE SYSTEM. ALL COMPONENTS SHALL BE INSTALLED, PROGRAMMED AND TESTED BY JOHNSON CONTROLS.
 - CONTRACTOR SHALL PROVIDE NEW CABLE TELEVISION (CATV) OUTLET IN EACH LOCATION AS SHOWN ON PLANS WITH "F" CONNECTOR AND RG6 COAX CABLE IN 1" CONDUIT TO SPLITTER ON PLYWOOD BACKBOARD IN IT 310 AND PROVIDE AMPLIFIER AND SPLITTER WITH 6 ADDITIONAL FUTURE LOCATIONS. ROUTE CABLE TO EXISTING CATV SERVICE IN BASEMENT ELECTRICAL CLOSET BS-04A. PROVIDE ALL NECESSARY EQUIPMENT, DEVICES, ETC. FOR A COMPLETE AND OPERABLE CATV SYSTEM.
 - CAT 6 CABLE FOR ALL TELECOMMUNICATIONS CABLING SHALL BE ROUTED TO TELECOMMUNICATIONS CLOSET ROOM 310, AND TERMINATED IN PATCH PANELS. CONTRACTOR SHALL EXTEND DATA/VOICE CONNECTIONS FROM IT 25-73 BELOW. PROVIDE (1) 6-STRAND MM RISER RATED FIBER AND TERMINATE ON EXISTING PATCH PANEL ON 2ND FLOOR. TERMINATE FIBER CABLE ON RACK MOUNTED FIBER PATCH PANEL IN NEW IT CLOSET AT 3RD FLOOR. CROSS CONNECT TO PATCH PANELS BY OTHERS. PROVIDE CERAMIC ST CONNECTORS. CONTRACTOR TO PROVIDE ALL NEW PATCH PANELS AS REQUIRED. CONTRACTOR SHALL PROVIDE (1) 50 PAIR CABLE AND TERMINATE ON EXISTING 110 BLOCKS ON 2ND FLOOR. TERMINATE CABLE ON NEW 110 BLOCKS IN NEW 3RD FLOOR IT CLOSET. CONTRACTOR TO PROVIDE 110 BLOCKS AS REQUIRED.
 - EXISTING PUBLIC ADDRESS (PA) IS DUKANE SYSTEM. CONTRACTOR SHALL ADD NEW SPEAKERS TO MATCH EXISTING LOCATED IN BUILDING, AT LOCATIONS AS SHOWN ON DRAWING. PROVIDE NEW AMPLIFIERS, HARDWARE, ETC. AS NEEDED FOR A COMPLETE AND OPERABLE SYSTEM. CONTRACTOR SHALL FOLLOW INSTALLATION REQUIREMENTS FOR RACEWAYS, BOXES, CABLING, ETC. AS OUTLINED IN DIVISION 27 SPECIFICATIONS.
 - PROVIDE COMPLETE SECURITY CAMERA SYSTEM AT LOCATIONS SHOWN ON PLANS. CAMERAS SHALL BE PELCO SPECTRA SERIES #1VMP HD IP HIGH SPEED INDOOR DOME TYPE, FLUSH MOUNTED IN CEILING. EXACT AIMING TO BE COORDINATED PRIOR TO INSTALLATION. ALL CAMERAS SHALL BE COMPATIBLE WITH PELCO ENDURA W5000 SOFTWARE SYSTEM. CONTRACTOR SHALL COORDINATE WITH SITE SECURITY AND IT PERSONNEL FOR A COMPLETELY INTEGRATED AND INSTALLED SYSTEM. CONTRACTOR TO PROVIDE PELCO ENDURA CERTIFIED TECHNICIAN TO POPULATE ALL NEW CAMERAS AND COORDINATE WITH EXISTING VA SYSTEM. PROVIDE ALL CONDUIT, FIBER OPTIC CABLING, ETC. AS REQUIRED FOR COMMUNICATION OF NEW CAMERAS WITH HEAD-IN EQUIPMENT ON FIRST FLOOR. CONTRACTOR SHALL FOLLOW INSTALLATION REQUIREMENTS FOR RACEWAYS, BOXES, CABLING, ETC. AS OUTLINED IN DIVISION 27 SPECIFICATIONS.
 - CONTRACTOR SHALL PROVIDE A COMPLETE AND OPERATIONAL ACCESS CONTROL SYSTEM FOR NEW ADDITION. EXISTING ACCESS CONTROL SYSTEM IS HIRSCH VELOCITY SYSTEM. ALL NEW WORK TO BE COMPATIBLE WITH EXISTING SYSTEM. CONTACT DAVID BRAINIS AT (318) 221-8925 WITH ITG, INC FOR EQUIPMENT AND INSTALLATION. CONTRACTOR SHALL PROVIDE BOXES AND CONDUIT FOR ALL DEVICES SHOWN ON PLANS. THE INSTALLER SHALL PROVIDE ALL EQUIPMENT NECESSARY TO CONNECT THIS SYSTEM TO THE NETWORK AND TIE IT INTO THE EXISTING HIRSCH VELOCITY SYSTEM THAT IS SERVING THIS CAMPUS. SYSTEM DEVICES AND CARDS SHALL BE COMPATIBLE WITH THE EXISTING CAMPUS SYSTEM. CONTRACTOR SHALL FOLLOW INSTALLATION REQUIREMENTS FOR RACEWAYS, BOXES, CABLING, ETC. AS OUTLINED IN DIVISION 27 SPECIFICATIONS.

- NEW WORK KEYED NOTES:**
 (THIS SHEET ONLY)
- CEILING MOUNTED SMOKE DETECTOR FOR DOOR HOLD OPEN HARDWARE. COMBINATION HOLD OPEN/CLOSER PROVIDED WITH DOOR HARDWARE.
 - PROVIDE NEW DUKANE PA SPEAKER TO MATCH EXISTING PA SYSTEM AT HOSPITAL. MAKE ALL CONNECTIONS TO EXISTING PA SYSTEM AS REQUIRED.
 - NEW FIRE ALARM DEVICE. MAKE ALL CONNECTIONS TO EXISTING HOSPITAL ADDRESSABLE SYSTEM.
 - FLOW AND TAMPER SWITCHES IN STAIRWELLS OF ALL FLOORS.
 - FLOW AND TAMPER SWITCHES IN STAIRWELL OF FLOOR FOR SHAFR SPRINKLERS.
 - DEDICATED FIREFIGHTER TWO WAY COMMUNICATIONS PHONE OUTLET. CONTRACTOR SHALL COORDINATE EXACT LOCATION PRIOR TO INSTALLATION AND ROUTE NECESSARY CABLING BACK TO FACP AS REQUIRED FOR A COMPLETE SYSTEM.
 - PROVIDE DATA OUTLET AND VIDEO OUTLET ABOVE CEILING FOR OVERHEAD PROJECTOR. COORDINATE EXACT LOCATION PRIOR TO ROUGH-IN. CONTRACTOR SHALL COORDINATE EXACT CABLE/VIDEO REQUIREMENTS WITH VA PRIOR TO INSTALLATION.
 - APPROXIMATE LOCATION OF INTERCOM. PROVIDE EMPTY JUNCTION BOX WITH 3/4" CONDUIT ROUTED TO ABOVE ACCESSIBLE CEILING. COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.
 - PROVIDE (3) CAT 6 CABLES IN EXPANDABLE MESH WITH STRAIN RELIEF TOP AND BOTTOM. CABLES TO HANG APPROXIMATELY 48" A.F.F., COORDINATE EXACT LOCATION PRIOR TO INSTALLATION.
 - PROVIDE MATV/CATV OUTLET AT 72" ABOVE FINISHED FLOOR. COORDINATE EXACT MOUNTING LOCATION PRIOR TO ROUGH-IN.
 - 12" LADDER TYPE ALUMINUM CABLE TRAY. SEE DETAIL, SHEET E501.
 - ACCESS CONTROL LOCATIONS. PROVIDE PROXIMITY SENSOR WITH DOOR STATUS MONITOR AND PROXIMITY/INFRARED SENSOR. PROVIDE JUNCTION BOX WITH 3/4" CONDUIT TO HIRSCH PANEL IN IT CLOSET 310. COORDINATE EXACT LOCATION.
 - PROVIDE (3) 4" CONDUIT SLEEVED THROUGH FLOOR, FOR ACCESS TO IT 2S-73 ON FLOOR BELOW. PROVIDE WITH NYLON PULLSTRING. CORE DRILL, AND MAINTAIN FIRE RANGE OF FLOOR AS REQUIRED.
 - WOOD BACKBOARD ON ALL WALL SURFACES INSIDE IT CLOSET. 4'X8' MOUNTED VERTICALLY WITH BOTTOM, 6" A.F.F. PAINT WITH 2 COATS, GREY, FIRE RETARDANT PAINT. PROVIDE 110 BLOCKS AS REQUIRED FOR TERMINATIONS OF NEW VOICE DROPS.
 - 18" LADDER TYPE, ALUMINUM CABLE TRAY WITH RUNG SPACING EVERY 12" MINIMUM.
 - WALL MOUNTED, FLOOR SUPPORTED, SWING RACK. PROVIDE PATCH PANELS AS REQUIRED FOR TERMINATION OF NEW DATA DROPS AND FIBER CONNECTIONS.
 - SEE NEW WORK SPECIAL SYSTEMS PLAN ROOM 310, THIS SHEET.
 - 50 PAIR 110 PUNCH DOWN BLOCK.
 - FIRE ALARM, CATV, NURSE CALL, PA, CCTV, ACCESS CONTROL MOUNTING LOCATIONS.
 - CABLE RUNWAY. 24" WIDE.
 - PROVIDE ACCESS CONTROL AS REQUIRED FOR ELEVATORS. CONTRACTOR SHALL REFER TO ELEVATOR SPECIFICATION 14 26 26 FOR EXACT REQUIREMENTS. PROVIDE ALL APPURTENANCES NECESSARY FOR A COMPLETE INSTALLATION.

- NOTES:**
 (THIS DATA RACK ROOM 310 DETAIL ONLY)
- FIBER BACKBONE
 - HORIZONTAL CABLE MANAGEMENT
 - 48 PORT PATCH PANEL-V
 - 48 PORT PATCH PANEL-D
 - VA SWITCH
 - VA UPS
 - 13 U SPACE
 - VERTICAL CABLE MANAGEMENT

FINAL SUBMITTAL

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		Approved: Project Director	Location: SHREVEPORT, LA	Building Number: 1	
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